

DRAFT

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION FACT SHEET

(pursuant to NAC 445A.236)

Permittee Name: Nevada Department of Corrections
P.O. Box 7011
Carson City, NV 89702

Permit Number: NEV93015

Location: Ely Conservation Camp, White Pine County, Nevada
HC Box 10813
Horse and Cattle Camp Road
Ely, White Pine County, Nevada 89301

Latitude: 39° 02' 30"N, Longitude: 114° 43' 38"W
Township 14N, Range 64E, Section 25

Design Flow: 0.019 MGD

General: The Nevada Department of Corrections (NDOC) (Permittee) operates the Ely Conservation Camp (ECC), which is located approximately 19 miles southeast of the City of Ely, west of US-50 in White Pine County, Nevada. The ECC is a minimum-security men's conservation camp with a current population of approximately 146 inmates and 22 NDOC/NDF staff.

The ECC wastewater treatment system consists of a 10,000-gallon Jenson Precast septic tank and two Dura Crete septic tanks combined to form a 6,500-gallon volume (4,000-gallon + 2,500-gallon), acting in parallel. The 10,000-gallon tank receives flow from the laundry area only, while the combined 6,500-gallon tank receives flow from the rest of the camp. The 10,000-gallon tank flows to a 250-gallon dosing tank, and then to distribution boxes and then to leach lines for subsurface percolation to groundwaters. The 6,500-gallon combined septic tank flows to a 300-gallon dosing tank, and then to distribution boxes and then to leachlines for subsurface disposal to groundwaters. Two (2) 600-gallon grease interceptors receive flow from the kitchen prior to disposal into the 6,500-gallon system. The grease interceptors and septic tanks are pumped on a quarterly basis.

The conventional leachfield for the 6,500-gallon system failed and was replaced with an Infiltrator® Chamber System in 2003. Piezometers are installed bordering the leachfields to monitor effluent depth in the leach lines.

Receiving Water Characteristics: The receiving water for septic tank effluent is groundwater via subsurface percolation in the leachfields. Depth to groundwater in the vicinity of the leach fields has been determined to be approximately 255 feet. There is no monitoring well at the camp. The requirement for a monitoring well was waived based on depth to groundwater and the remote area where the camp is located. A domestic water supply well is located approximately 180 feet south of the sewage disposal systems.

Proposed Effluent Limitations and Special Conditions:

During the period beginning on the effective date of this permit, and lasting until the permit expires, the Permittee is authorized to discharge from the septic tank to the groundwaters of the State via leachfields at the conservation camp.

DRAFT

Samples taken in compliance with the monitoring requirements specified in Table 1 below, shall be taken at the following location(s):

Effluent samples prior to discharge to the leachfields.

The discharge shall be limited and monitored by the Permittee as specified in Table 1 below:

Table 1: Plant Discharge Limitations

PARAMETER	DISCHARGE LIMITATIONS	MONITORING REQUIREMENTS	
		Measurement Frequency	Sample Type
	Quarterly Average		
Wastewater Flow (Influent), MGD	0.019	Continuous	Water Meters
CBOD ₅ (Effluent), mg/L	Monitor & Report	April/October	Discrete
TSS (Effluent), mg/L	Monitor & Report	April/October	Discrete
Sludge & Scum Depth, feet or inches	Monitor & Report ¹	April/October	Discrete
Liquid Level Depth, feet or inches	Monitor & Report ²	April/October	Discrete
Grease Depth, feet or inches (Grease Interceptor)	Monitor & Report ³	April/October	Discrete
Depth of Effluent, feet or inches	Monitor & Report ⁴	Quarterly	Discrete
Pump Septic Tanks and Grease Interceptors	Monitor & Report	Quarterly	-----
Inmate Population, # of persons	Monitor & Report	Monthly	Population Count
Nitrates as N mg/L ⁵	10	Annual	Discrete
Total Nitrogen as N mg/L ⁵	Monitor & Report	Annual	Discrete

¹: At inlet end of septic tanks.

³: At grease interceptor.

⁵: At domestic water well.

²: Near the outlet end of septic tanks.

⁴: At each leachfield piezometer.

Schedule of Compliance: The Permittee shall submit the following items to the Division for review and approval (**all compliance deliverables shall be addressed to the attention of the Compliance Coordinator, Bureau of Water Pollution Control**):

- Within thirty (30) days of the permit renewal issuance date, the Permittee shall submit a copy of the facility's current Operations and Maintenance (O&M) Manual, which is to be prepared in accordance with the Division's WTS-2 guidance document: *Minimum Information Required for an Operations and Maintenance Manual*.
- Within forty-five (45) days of the permit renewal issuance date, the Permittee shall submit an accurate "as-built" drawing, wet stamped by a Nevada Professional Engineer, of the ECC wastewater treatment systems.

DRAFT

Page 3 of 3

- Prior to any modification or construction to the wastewater treatment system, the Permittee shall submit plans to the Division for review and approval. The submittal shall be consistent with the Uniform Plumbing Code and WST-22: *Design Criteria for Septic Tanks and Individual Disposal Systems*.
- Within twenty-four (24) hours of any failure to any component of the wastewater treatment system, the Permittee shall notify the Division by telephone, at 775-687-4670 or by facsimile at 775-687-4684. The notification shall include any remedial actions taken or to be taken.
- Within ninety (90) days of the permit renewal issuance date, the Permittee shall install flow meters on the potable water lines serving the culinary/dormitory complex, the NDF facilities and the multi-purpose building.

Procedures for Public Comment: The Notice of the Division's intent to issue (renew) a permit authorizing the operation of this septic treatment and disposal system, subject to the conditions contained within the permit is being sent to the **Ely Daily Times** and the **Elko Daily Free Press** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of thirty (30) days following the date of publication of the public notice in the newspaper. The comment period can be extended at the discretion of the Administrator. The deadline date and time by which all comments are to be submitted (via postmarked mail or time-stamped faxes, e-mails, or hand-delivered items) to the Division is **May 8, 2005 by 5:00 P.M.**

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination: The Division has made the tentative determination to issue (renew) the proposed groundwater discharge permit for a period of five (5) years.

Prepared by: James T. Hogan
Staff Engineer II
Bureau of Water Pollution Control

Revised: March 30, 2005